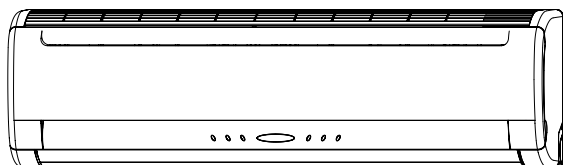


USER'S MANUAL



AIR-CONDITIONER

ENGLISH



SRK52CF-BN SRK52CF-BP
SRK71CF-BN SRK71CF-BP

دليل المستخدم
مكيف الهواء

عربي

Thank you for purchasing a MITSUBISHI HEAVY INDUSTRIES, LTD. Air-Conditioner. To get the best long-lasting performance, read and follow this User's Manual carefully before using your air-conditioner. After reading, please store the Manual in a safe place and refer to it for operational questions or in the event of any irregularities.

This air-conditioner is intended for domestic use.

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ENGLISH

Safety precautions

- Before starting to use the system, please read these “Safety precautions” carefully to ensure proper operation of the system.
- The safety precautions are classified as “⚠ DANGER” and “⚠ CAUTION”. Precautions as shown in the column “⚠ DANGER” indicate that improper handling could have dramatic consequences like death, serious injury, etc. Nevertheless, even precautions as shown in the column “⚠ CAUTION” might pose a serious problem, depending on the circumstances. Please observe these precautions with great care, since they are essential to your safety.
- Symbols which appear frequently in the text have the following meaning:

	Strictly prohibited		Observe instructions with great care		Provide positive earthing
---	---------------------	---	--------------------------------------	---	---------------------------

- When you have read the instruction manual, please keep it near at hand for consultation. If someone else takes over as operator, make certain that the manual is also passed on to the new operator.

■ INSTALLATION PRECAUTIONS

⚠ DANGER

The system is meant for domestic, residential etc. use.



If used in inferior environments, such as an engineering workplace, the equipment may function poorly.

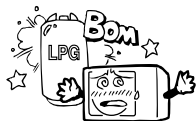
The system must be installed by your dealer or a qualified professional.



It is not advisable to install the system yourself, as faulty handling may cause leakage of water, electric shock or fire.

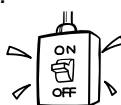
⚠ CAUTION

Do not install near places where inflammable gas may leak.



Gas leaks may cause fire.

Depending on the place of installation, a circuit breaker may be necessary.



If you don't fit a circuit breaker, you may cause an electric shock.

Make sure that you drain the hose properly, so that all the water has dripped out.



Negligence may cause flooding in the room resulting in wet furniture.

Make sure that the system has been properly earthed.

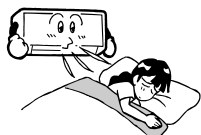


Earth cables should never be connected to a gas pipe, municipal water pipe, lightning conductor or telephone earth cable. Incorrect installation of the earth cable may produce an electric shock.

■ OPERATION PRECAUTIONS

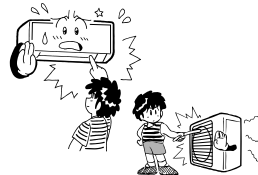
⚠ DANGER

Do not expose yourself to the cooling air for prolonged periods.



This could affect your physical condition and cause health problems.

Do not insert anything into the air inlet.



This may cause injury, as the internal fan rotates at high speed.

Store the remote control out of reach of infants.



Failure to observe this may result in the batteries being swallowed or other accidents.

⚠ CAUTION

Only use approved fuses.



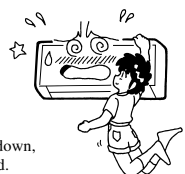
Use of steel or copper wire instead of an approved fuse is strictly forbidden, as it may cause a breakdown or fire.

Do not handle the switches with wet hands.



This may cause an electric shock.

Don't swing from the system.



If the system falls down, you may get injured.

Safety precautions

⚠ CAUTION

Do not place a combustible insecticide or paint spray near the blower, nor aim it directly at the system.



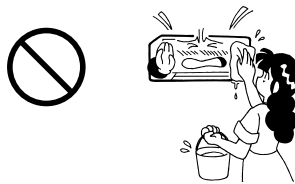
This may result in a fire.

You should not expose any combustion appliance directly to the air stream of the air-conditioner.



The appliance may then work inadequately.

Do not wash the air-conditioner with water.



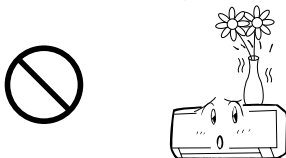
This could cause an electric shock.

The system should only be used for its original purpose and not for anything else like, for instance, preservation of food, plants or animals, precision devices or works of art.



The system is only intended for use in ordinary domestic rooms. Any other use of the system may damage the quality of food, etc.

Do not place anything containing water, like vases, on top of the unit.



Water entering the unit could damage the insulation and therefore cause an electric shock.

Do not install the system at a place where the air stream of the blower is aimed directly at plants or animals.



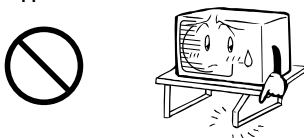
This will damage their health.

Do not sit on the outdoor unit nor put anything on it.



If the unit falls down or things drop off it, people could get hurt.

After a long period of use, check the unit's support structure from time to time.



If you don't repair any damage straightaway, the unit may fall down and cause personal injury.

Do not touch the aluminum fins on the air heat exchanger.



Failure to observe this may result in injury.

If you operate the system together with a combustion appliance, you must regularly ventilate the indoor air.



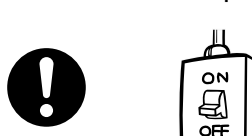
Insufficient ventilation may cause accidents due to oxygen deficiency.

Stand firmly on a stepladder or other stable object when removing the inlet panel and filters.



Failure to observe this may result in injury through insecure objects toppling over.

When you clean the system, stop the unit and turn off the power switch.



Never clean the unit while the internal fan is rotating.

Do not place objects near the outdoor unit or allow leaves to gather around the unit.



If there are objects or leaves around the outdoor unit, small animals may enter unit and contact electrical parts resulting in break down, emission of smoke or flame.

■ PRECAUTIONS FOR TRANSFER OR REPAIRS

⚠ DANGER

Consult your dealer for repairs to the system.



Wrong repairs could cause an electric shock, fire, etc.

If the air-conditioner is moved elsewhere, contact your dealer or a professional fitter.



Faulty installation may cause water leakage, electric shock, fire, etc.

If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power switch and consult your dealer.

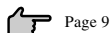


Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.

Choice of operations and features

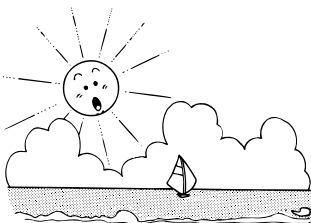
Choice of operations

COOL

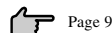


Page 9

Cooling by extracting heat from the room.



DRY



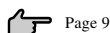
Page 9

Drying by extracting damp from the room.



Functioning of microcomputer depends on setting and room temperatures. It dehumidifies while keeping room temperature almost constant.

FAN



Page 9

Fanning by circulating room air.

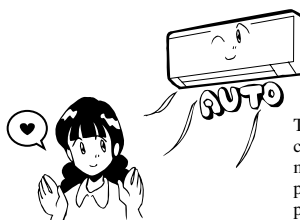


AUTO



Page 8

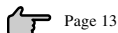
Automatic selection of operating mode.



The Auto mode automatically selects the operation mode (COOL or DRY), depending on the room temperature when switched on.

Features

Amenity facility

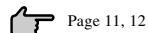


Page 13



When using the timer to switch on, the system should become operational shortly before the set time, depending on the room temperature so that the desired temperature should be reached at the set time.

TIMER procedure

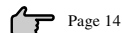


Page 11, 12



There are three timers, for SLEEP, ON and OFF. They can be set as desired.

HIGH POWER mode

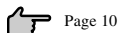


Page 14



Turning up the power operates the air conditioner in the power cooling mode.

Adjustment of airflow

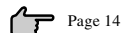


Page 10

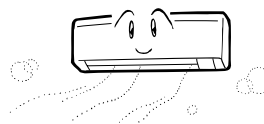


- **MULTI-DIRECTIONAL AIR FLOW**
This function sets the unit at the most suitable angle for blowing, imitating a natural breeze.
- **SWING FLAP**
Flap moves up and down continuously.
- **SWING LOUVER**
Louver moves left and right continuously.
- **MEMORY FLAP (FLAP OR LOUVER STOPPED)**
Once the flap or louver position has been set, the unit will memorise it and continue in the same position the next time.

ECONOMY mode



Page 14

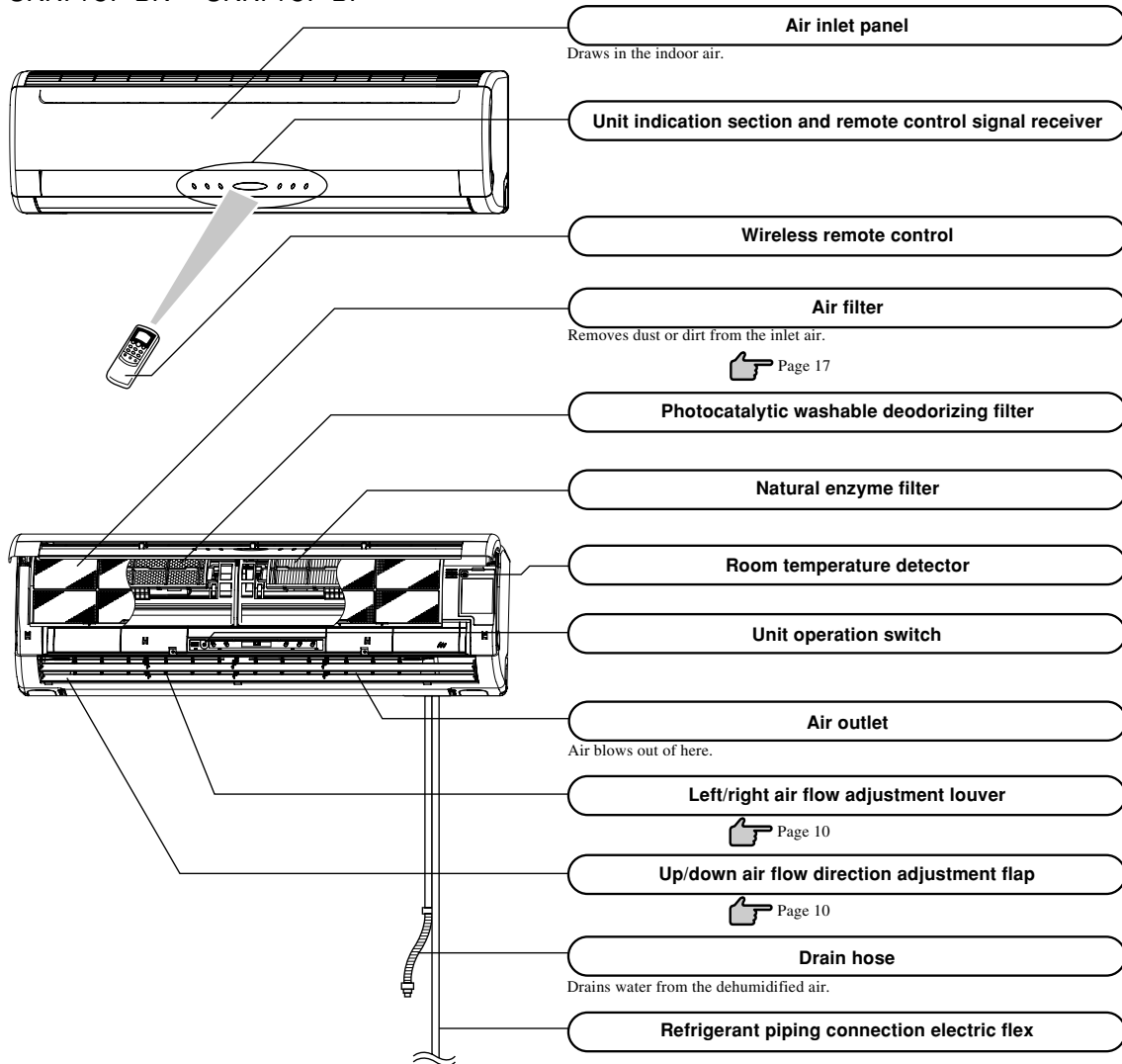


This is an economic level of operation.

Name of each part and its function

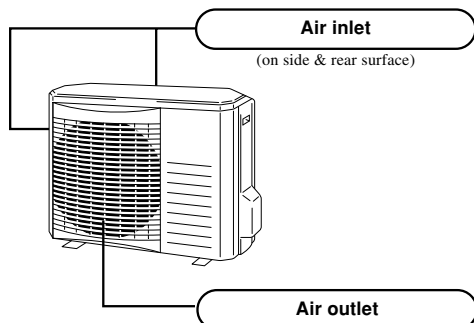
INDOOR UNIT

SRK52CF-BN SRK52CF-BP
SRK71CF-BN SRK71CF-BP

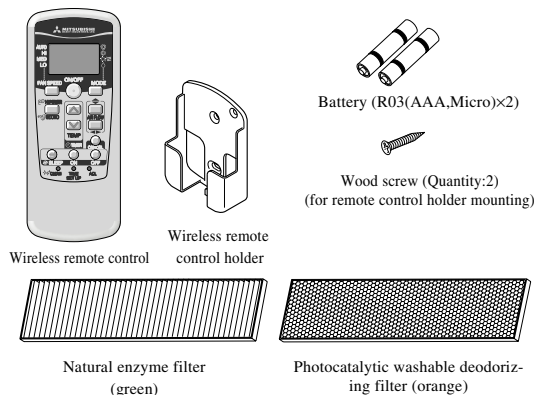


OUTDOOR UNIT

SRC52CF-BN SRC52CF-BP
SRC71CF-BN SRC71CF-BP

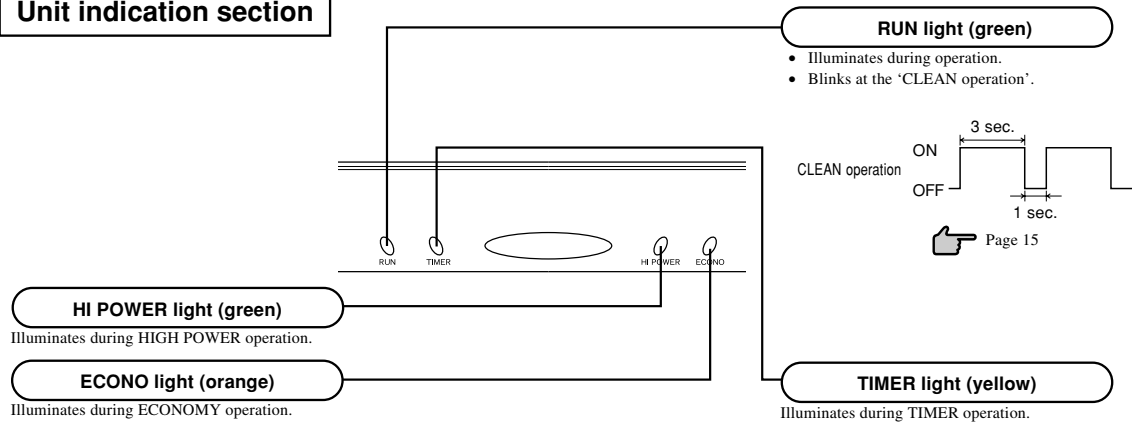


Accessories



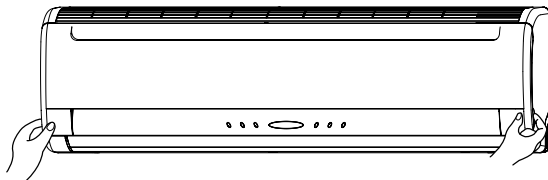
* The appearance varies for Models 52 and 71.

Unit indication section



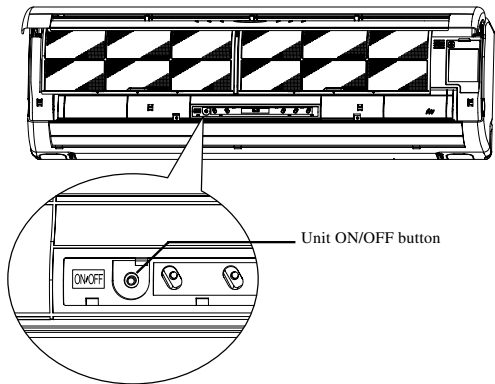
How to open the air inlet panel

Place fingers at the recesses on both sides of the panel and pull up the panel to this side so that it will be opened by about 60 degrees.



Unit ON/OFF button

In emergencies, this button can be used for turning on/off the unit when remote control is not available. Page 15

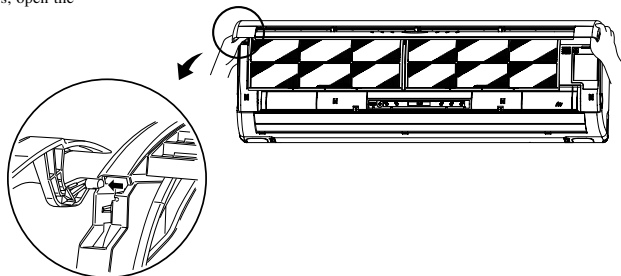


How to close the air inlet panel

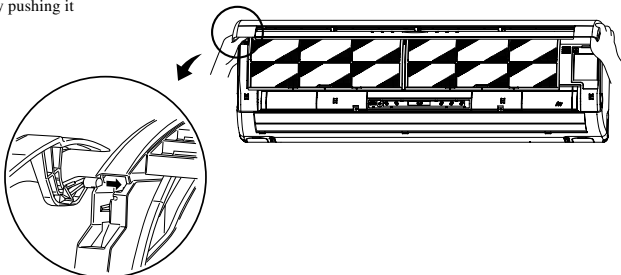
Push both sides evenly and press further lightly at the center.

Removal, installation of air inlet panel

When removing the air inlet panel for internal cleaning or others, open the panel by 80 degrees and then pull it to this side.



Secure either the upper or lower edge of the air inlet panel by lightly pushing it in, and then close the panel.



Operation and indication section for remote control

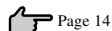
Operation section

FAN SPEED button

Each time the button is pushed, the ■ indicator is switched over in turn.

HI POWER/ECONO button

This button changes the HIGH POWER/ECONOMY mode.

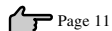


TEMPERATURE button

This button sets the room temperature.
(This button changes the present time and TIMER time.)

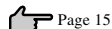
SLEEP button

This button changes to SLEEP operation.



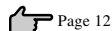
CLEAN switch

This switch changes the CLEAN mode.



ON TIMER button

This button selects ON TIMER operation.



OPERATION MODE select button

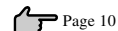
Each time the button is pushed, the ■ indicator is switched over in turn.

ON/OFF (luminous) button

Press for starting operation, press again for stopping.

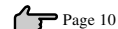
AIR FLOW (UP/DOWN) button

This button changes the air flow (up/down) mode.



AIR FLOW (LEFT/RIGHT) button

This button changes the air flow (left/right) mode.

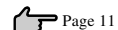


CANCEL button

This button cancels the ON timer, OFF timer, and SLEEP operation.

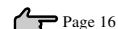
OFF TIMER button

This button selects OFF TIMER operation.



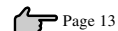
RESET switch

Switch for resetting microcomputer.



TIME SET UP switch

This switch for setting the time.



• The above illustration shows all controls, but in practice only the relevant parts are shown.

Indication section

SLEEP indicator

Indicates during SLEEP operation.

TEMPERATURE indicator

Indicates set temperature.
(Does not indicate temperature when operation mode is on AUTO)

FAN SPEED indicator

Indicates set air flow rate with ■ lamp.

CLEAN indicator

Indicates during CLEAN operation.

ON/OFF TIMER indicator

Indicates during ON/OFF TIMER operation.

OPERATION MODE indicator

Indicates selected operation with ■ lamp.
[(Auto) • (Cool) • (Fan) • (Dry)]

TIME indicator

Indicates present time or timer setting time.

AIR FLOW indicator

Shows selected flap and louver mode.

HI POWER/ECONO MODE indicator

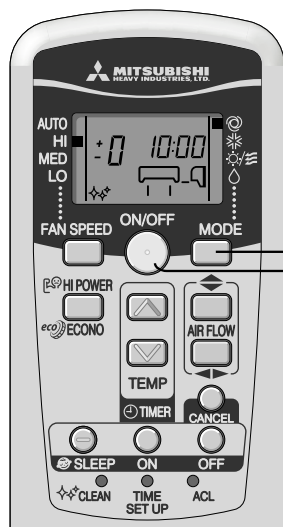
Indicates during HIGH POWER/ECONOMY mode operation.

Transmission procedure

When each button on the remote control is pressed – with the remote control pointing towards the air-conditioner unit – a signal is transmitted.
When the air-conditioner receives the signal correctly, it will beep.

AUTO mode operation procedure

- Automatically selects the operation mode (COOL, DRY) depending on the room temperature when switched on.



When the unit is not in AUTO mode:

1

Press MODE button.

Move the [■] mark to the (Auto) position.

Aim the remote control at the air-conditioner.

2

Press the ON/OFF button.

To stop:

Press the ON/OFF button.

NOTE

- Air is not blown out during the operation.

➞ Page 20

AUTO mode can be operated by simply pressing the ON/OFF button.



- If you don't want the AUTO mode program, change to COOL, DRY or FAN instead of AUTO.

➞ Page 9

Air flow direction adjustment procedure. ➞ Page 10

Temperature adjustment during AUTO

- Air temperature adjustment is possible even during automatic operation. There are 6 levels of adjustment possible with the (C) button or the (H) button.

When a change in temperature is desired.

1

Press the (C) or (H) button.

When it is a little cold

Press the (C) button.

- Each time the (C) button is pressed, the switch over occurs in the following order -6 → -5 → -1 → ±0 → +1 +6.

When +6 is indicated, even if the (C) button is pressed, the indicator does not change.

When it is a little hot

Press the (H) button.

- Each time the (H) button is pressed, the switch over occurs in the following order +6 → +5 → +1 → ±0 → -1 -6.

When -6 is indicated, even if the (H) button is pressed, the indicator does not change.

About FAN SPEED

- You can choose the capacity of your air-conditioner when cooling or fan.

Operation capacity by your choice	FAN SPEED
Set automatically by microcomputer	AUTO
Powerful operation with high capacity	HI
Standard operation	MED
Energy-saving operation	LO

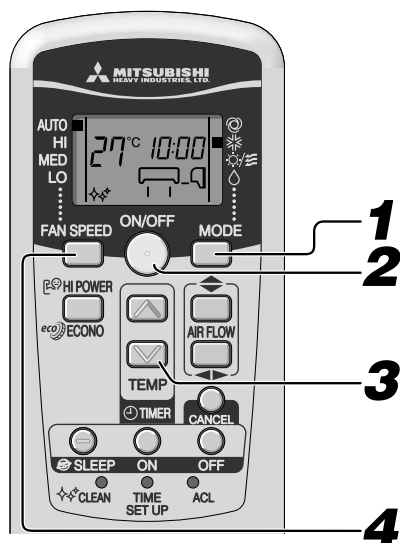
Press the FAN SPEED button.

Move the [■] mark to the desirable fan speed position.

➞ AUTO ➞ HI ➞ MED ➞ LO ➞

COOL/DRY/FAN mode operation procedure

Aim the remote control at the air-conditioner.



1

Press the MODE select button.

Move the [■] mark to the desirable operation position.

✱ (Cool), ✱/≡ (Fan), △ (Dry)

2

Press the ON/OFF button.

3

Press the TEMP button.

Press ⏴ or ⏵ button for the desired temperature.

Standard

COOL	26°C~28°C	DRY	21°C~24°C	FAN	—
------	-----------	-----	-----------	-----	---

4

Press the FAN SPEED button

Set the fan speed as desired.

Air flow direction adjustment procedure. ➡ Page 10

NOTE

- Air is not blown out during the operation.

➡ Page 20

To stop:

Press the ON/OFF button.

Program changing procedure

Set the new program.

- The operation program can also be set or changed when the air-conditioner is not in operation.

Air-conditioner operating conditions

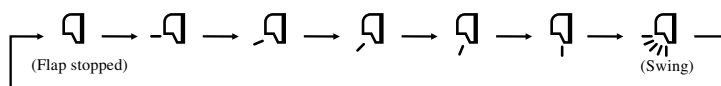
- Use within the following operational range. Operating outside of this range may result in the protection devices being activated, preventing the unit from working.

	Cooling operation
Outside temperature	Approximately 21 to 54 °C
Inside temperature	Approximately 21 to 32 °C
Inside humidity	Below approximately 80% The long-term use of the unit with a humidity level exceeding 80% may result in condensation forming on the surface of the indoor unit, leading to water drips.

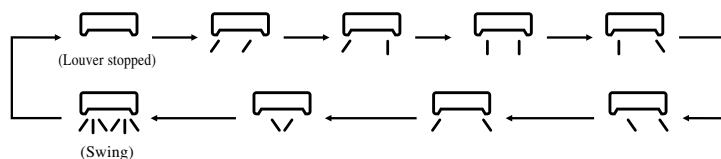
Air flow direction adjustment procedure

Adjusting air flow direction

- Up/down direction can be adjusted with the AIRFLOW $\blacktriangleup/\blacktriangledown$ (UP/DOWN) button on the remote control. Each time when you press this button the mode changes as follows:
Change to AIRFLOW (UP/DOWN) mode.



- Left/right direction can be adjusted with the AIRFLOW $\blacktriangleleft/\blacktriangleright$ (LEFT/RIGHT) button on the remote control. Each time when you press this button the mode changes as follows:
Change to AIRFLOW (LEFT/RIGHT) mode.

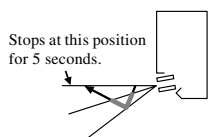


Multi-directional Air Flow (up/down air scroll and left/right air scroll)

- Activating both up/down air swing and left/right air swing at the same time results in a multi-directional air flow.

Up/down air scroll

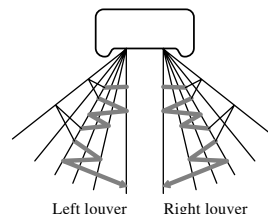
In COOL, DRY and FAN operation



Thick line —: moves quickly
Thin line —: moves slowly

Left/right air scroll

In COOL, DRY and FAN operation



MEMORY FLAP (FLAP OR LOUVER STOPPED)

When you press the AIRFLOW (UP/DOWN or LEFT/RIGHT) button once while the flap or louver is operating, it stops swinging at an angle. Since this angle is memorized in the microcomputer, the flap or louver will automatically be set at this angle when the next operation is started.

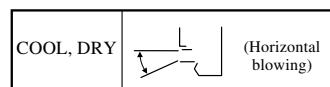
⚠ DANGER

- Avoid constant airflow to the body for hours on end.

⚠ CAUTION

- When in COOL or DRY operation, do not operate for hours on end with the air flow blowing straight down. Otherwise, condensation may appear on the outlet grill and drip down.
- Do not try to adjust the flaps and louvers by hand, as the control angle may change or the flap or louver may not close properly.

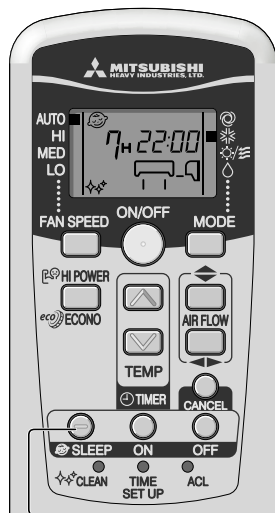
- Recommended angle of the flap when stopping



SLEEP operation procedure

- The unit stops automatically at the end of the set period of time.
The room temperature is automatically controlled when the set time lapses, so that the room does not become too cold during cooling.

Page 13

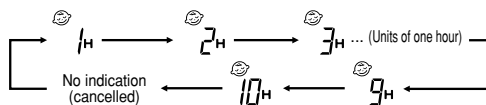


1

1

Press the SLEEP button.

- If this is pressed while the unit is off**
SLEEP operation starts with the previous operation settings, and the air conditioning is turned off after the time that has been set passes.
- If this is pressed while the unit is running**
Each time the button is pressed, the indication changes as follows:



Example: You wish it to stop after 7 hours.

Set to 7H

The timer light (yellow) is on.

- The unit stops at the end of the set period of time.

Changing of set time

Set to a new time by using SLEEP button.

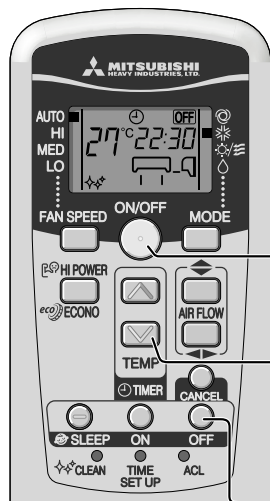
Releasing procedure

Press the CANCEL button to turn off the SLEEP indicator.

OFF-TIMER operation procedure

- The unit stops automatically at the end of the set period of time. If it is stopped, perform the operations starting with STEP 1 and if running start with STEP 2.

Example: You wish it to stop 22:30.



1

3

2,4

1

Press the ON/OFF button.

2

Press the OFF TIMER button.

OFF TIMER indicator is blinking.

3

Press the "☐ or ☑" button.

Each time the ☐ button is pressed, the indicator is switched in the order of:

0:00 → 0:10 → 0:20 → ... → 1:00 → 1:10 → (Units of ten minutes)

Each time the ☑ button is pressed, the indicator is switched in the order of:

0:00 → 23:50 → 23:40 → ... → 23:00 → 22:50 → (Units of ten minutes)

Set at 22:30.

Changing of set time

Set a new time by using the OFF TIMER button.

Releasing procedure

Press the CANCEL button to turn off the timer indicator.

4

Press the OFF TIMER button.

The indication changes from blinking to steady lighting and the setting is complete.
The timer light (yellow) is on.

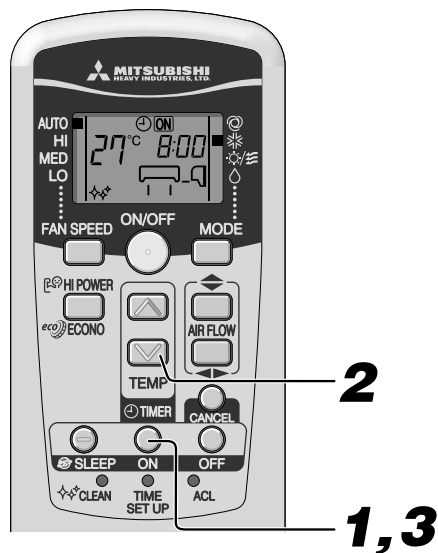
- The unit stops at the end of the set period of time.

Press within
60 sec.!

ON-TIMER operation procedure

- Operation starts 5 to 60 minutes before the time that is set so that the room temperature reaches the optimum temperature at that time.  Page 13
ON-TIMER operation can be set regardless of whether the air-conditioner is running or not.

Example: In the case you wish to bring the temperature to nearly set temperature in at 8:00.



1

Press the ON-TIMER button.

ON TIMER indicator  is blinking.

2

Press the “ or ” button.

Each time the  button is pressed, the indicator is switched in the order of:

→0:00→0:10→0:20→...→1:00→1:10→(Units of ten minutes)

Each time the  button is pressed, the indicator is switched in the order of:

→0:00→23:50→23:40→...→23:00→22:50→(Units of ten minutes)

Set at 8:00.

3

Press the ON TIMER button.

Press within
60 sec.!

The indication changes from blinking to steady lighting and the setting is complete. The timer light (yellow) is on.



- Operation starts 5 to 60 minutes before the set time.
- The TIMER light goes out at the set time.

Changing of set time

Set a new time by using the ON-TIMER button.

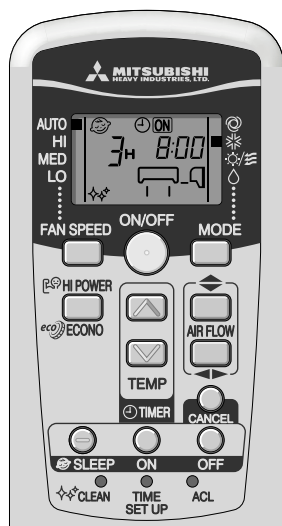
Releasing procedure

Press the CANCEL button to turn off the timer indicator.

SLEEP operation + ON-TIMER operation procedure

- Combined timer operation of SLEEP operation and ON TIMER.

Example: When it is desired to stop after 3 hours and then start operation at 8:00, near the set temperature.



SLEEP operation setting

Set by the procedures on page 11.

Set to  3H

ON TIMER operation setting

Set by the above mentioned ON TIMER operation procedure.

Set to  8:00

The setting of the lighting of the timer light (yellow) of this unit is complete.



- After the SLEEP operation set time has elapsed, the operation stops, and it starts form 5 to 60 minutes before the ON TIMER's time.
- The timer light is not lit at the ON TIMER's time.

Changing of set time

Set a new time by using the SLEEP or ON TIMER button.

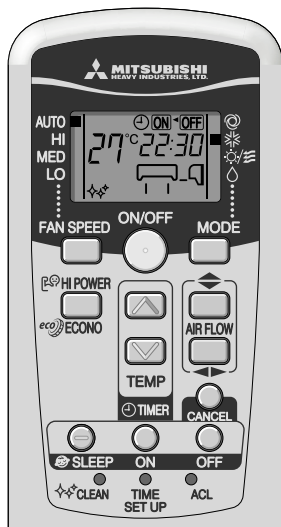
Releasing procedure

Press the CANCEL button to turn off the timer indicator.

PROGRAM TIMER operation procedure

- The timer operations that consist of the combination of the timer being set at both on and off. Once this has been set and operations started, operations will commence and end at the same time every day as long as the ON/OFF button is not pressed.

Example: When it is desired to stop at 22:30, and then start operation at 8:00, near the set temperature.



OFF TIMER operation setting

Set by the procedures on page 11.

Set to 22:30

ON TIMER operation setting

Set by the procedures on page 12.

Set to 8:00

The setting of the lighting of the timer light (yellow) of this unit is complete.

The time will be displayed on the remote control unit. The display will change depending on the operational status.

(Stopped)

(Operating)

Changing of set time

Set a new time by using the OFF TIMER or ON TIMER button.

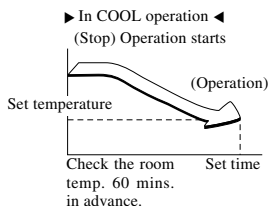
Releasing procedure

Press the CANCEL button to turn off the timer indicator.

About Amenity facilities

Amenity facilities enable to start the operation a little earlier, so that the room should approach optimum temperature at ON time when the operation is started by ON-TIMER.

- Mechanism**
The room temperature is checked 60 minutes before the timer is at ON. Depending on the temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.
- The Amenity facility only functions for COOL operation mode (including AUTO). It does not work for DRY mode.



About SLEEP operation

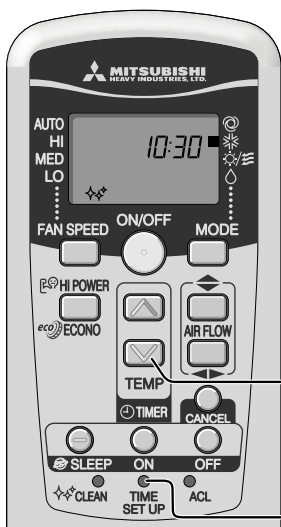
When SLEEP operation is selected, the room temperature is automatically controlled after a while, ensuring that the room is not too cold during cooling.

- During COOL : the preset temperature is lowered by 1°C at the start of SLEEP operation (when the timer is set). After that, the temperature goes up by 1°C every an hour to become 2°C higher.

Present time setting procedure

- When inserting the batteries, the present time is automatically set to 13:00.

Example: Set to 10:30.



1

Press the TIME SET UP switch.

Press with the tip of a ball pen, etc.
The time indicator blinks and can be set to the current time.

2

Press the "◁ or ▷" button.

(Set to 10:30)

3

Press the TIME SET UP switch.

The indication changes from blinking to steady lighting and the setting is complete.

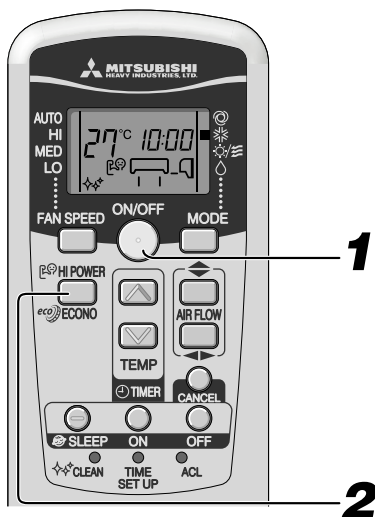
Press within 60 sec.!

NOTE

The timer operation is set on the basis of the present time, so please set it correctly.

HIGH POWER/ECONOMY operation procedure

If the air-conditioner is not operating, aim the remote control at the air-conditioner.



1

Press the ON/OFF button.

2

Press the HI POWER/ECONO button.

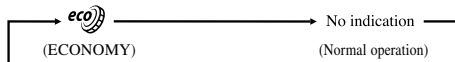
- When the operating mode is AUTO or COOL

Each time the HI POWER/ECONO button is pressed, the indicator is switched in the order of:



- When the operating mode is DRY or PROGRAM TIMER

Each time the HI POWER/ECONO button is pressed, the indicator is switched in the order of:



Concerning HIGH POWER operation

Pressing the HI POWER/ECONO button intensifies the operating power and initiates powerful cooling operation for 15 minutes continuously. The remote control indicates but the FAN SPEED indication is erased.

NOTE

- During the HIGH POWER operation, the room temperature is not controlled. When it causes an excessive cooling, press the HI POWER/ECONO button once more to cancel the HIGH POWER operation.
- HIGH POWER operation is not available during the DRY and the PROGRAM TIMER operations.
- During ON timer operation, HIGH POWER operation will start when the ON time is reached.
- When the following operations are conducted HIGH POWER operation will be canceled.
 - When the HI POWER/ECONO button is pressed again.
 - When the operation mode is changed.
 - When it has been 15 min. since HIGH POWER operation has started.

Concerning ECONOMY operation

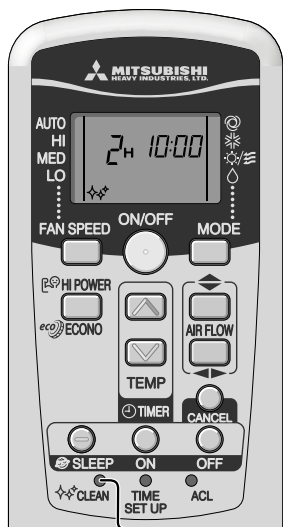
Pressing the HI POWER/ECONO button intlates a soft operation with the power suppressed in order to avoid an excessive cooling. The unit operates 1.5°C higher than the setting temperature for weak wind capacity during cooling. The remote control indicates but the FAN SPEED indication is erased.

NOTE

- It will go into ECONOMY operation the next time the air-conditioner runs in the following instances.
 - When the air-conditioner is stopped using the ON/OFF button.
 - When the air-conditioner is stopped in SLEEP or OFF TIMER operation.
 - When CLEAN operation ends.
- When the following operations are conducted ECONOMY operation will be canceled.
 - When the HI POWER/ECONO button is pressed again.
 - When the operation mode is changed DRY to FAN.

Concerning CLEAN operation

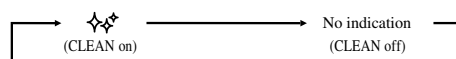
- CLEAN operation should be run after AUTO, COOL and DRY operation to remove the moisture from inside the indoor unit and control the growth of mold and bacteria.



1

Press the CLEAN switch with the tip of a ballpoint pen.

Each time the CLEAN switch is pressed, the indicator is switched in the order of:



To stop:

Press the ON/OFF button.

NOTE

- CLEAN operation is impossible after Fan and OFF-TIMER have stopped.
- The indoor unit fan runs for about two hours in CLEAN operation.
- The RUN light flashes during CLEAN operation.

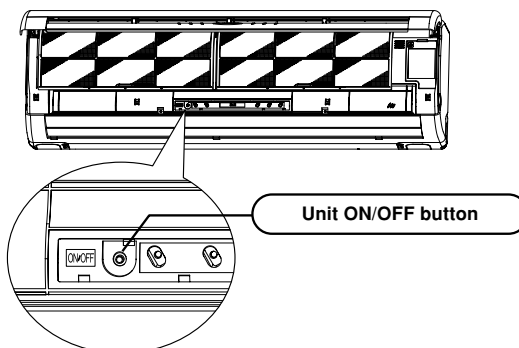
Emergency run operation

- The unit ON/OFF button on the unit operates ON/OFF temporarily when the remote control is not used.

Operation program

- OPERATION MODE : AUTO
- FAN SPEED : AUTO
- AIR FLOW : AUTO

- Operation starts by pressing the unit ON/OFF button; it stops if you press the button again.



Power blackout auto restart function

What is power blackout auto restart function?

- Power blackout auto restart function is a function that records the operational status of the air-conditioner immediately prior to it being switched off by a power cut, and then automatically resumes operations at that point after the power has been restored.
- The following settings will be cancelled:
 - Timer settings
 - HIGH POWER operations

NOTE

- The power blackout auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.
- When power failure occurs, the timer setting is cancelled. Once power is resumed, reset the timer.

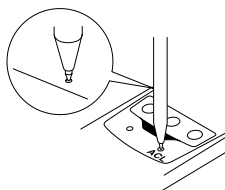
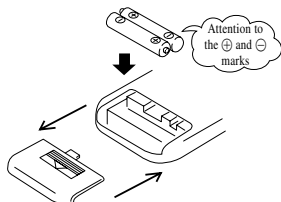
Remote control handling procedure

Replacing the batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.

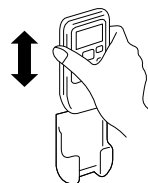
- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

1 Remove back lid and take out old batteries.	3 Close back lid.
2 Insert new batteries. (R03(AAA, Micro)X2)	4 Press the reset switch with the tip of a ballpoint pen.



Using the remote control holder

The remote control can be attached to a wall or pillar by using a remote control holder. Before installing the remote control, check that the air-conditioner receives the signals properly.



For installing or removing the remote control, move it up or down in the holder.

NOTE

- Don't use old and new batteries together.
- Remove the batteries when the remote control is not used for a long period.
- The life of a battery conforming to JIS or IEC should be 6 to 12 months with normal use. If used longer, or when an unspecified battery is used, liquid may leak from the battery, causing the remote control to malfunction.

When the indicator shows any abnormal condition, Press the reset switch with the tip of a ballpoint pen.

- On the battery is printed its expected life. This may be shorter than that of the air-conditioner, depending on the date of manufacture.
- However, the battery may still be in working order after expiry of its nominal life.

Warning note for remote control handling

• Don't go near high temperature places, such as an electric carpet or stove.	• Don't leave the remote control exposed to direct sunlight or other strong lighting.	• Don't drop the remote control. Handle with care.
• Don't put any obstructing obstacles between the remote control and the unit.	• Don't spill water etc on the remote control.	• Do not place heavy objects on the remote control, or step on it.

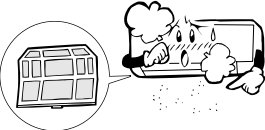
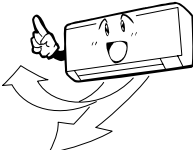
When the operation fails with the remote control

- Are the batteries running down?
 "Replacing the batteries" above.
 Replace the batteries with new ones and repeat the operation.

- If the operation still fails, handle as per emergency run operation.
 Contact your dealer.

Operating hints

■ Please observe the following for the most economic and comfortable use of your unit.

Set a suitable room temperature. suitable temperature  Excessively low temperatures are not good for your health and waste electricity.	Clean the filters frequently.  Clogged filters may block the air flow and cause less efficient operation.	Avoid direct sunlight and draught.  Cut out direct sunlight by drawing the curtains or blinds when cooling. Keep windows and doors shut, except when ventilating.
Adjust the airflow direction properly.  Adjust the up/down and left/right airflow to ensure a steady room temperature.	Operate the unit only when needed.  Use the timer properly to operate the unit only when needed.	Generate little heat when cooling.  Keep heat sources out of the room as much as possible.

Maintenance

Before maintenance

Turn off the power switch.



• **Don't spill water.**



There's a danger of electric shock.

Wipe the unit with a soft, dry cloth.



- **Do not touch the aluminum fins on the heat exchanger.**
- **Stand firmly on a stepladder or other stable object when removing the inlet panel and filter.**

Don't use the following articles:

- Hot water (40°C or more)
It may deform or discolour the unit.
- Petrol, paint thinner, benzine or polishing agents, etc.
They may deform or scratch the unit.

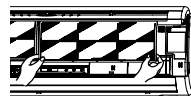
During the operational season

Cleaning the air filter

Standard interval is once every two week

1 Remove the air filter

- ① Pull up to this side the air inlet panel.
- ② Lightly hold the knobs at both sides and lift a little to remove the panel to this side.



2 Cleaning

If the filter is very dirty, clean it with warm water (approx. 30°C), and dry it thoroughly.

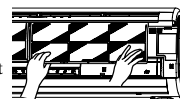
CAUTION

- Don't clean the filters with boiling water.
- Don't dry them over an open flame.
- Pull them out gently.



3 Reinstall the air filter

- Holding firmly the filter at both sides as shown at right and insert securely.
- Operating without putting back the air filters will make the unit dusty, and may cause damage.

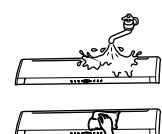


Cleaning the unit

- Wipe the unit with a soft, dry cloth, or use a vacuum cleaner.
- If the unit is very dirty, wipe it with a cloth soaked in warm water.

Cleaning the air inlet panel

- Removal, installation of air inlet panel . ➡ Page 6
- The panel can be washed with water. After washing with water, wipe any moisture off the panel and dry out of direct sunlight.



NOTE

Cooling is affected by an air filter clogged up with dust etc., and the operation noise becomes louder. It may also use extra electricity. Please clean the air filter at appropriate intervals.

At the end of the season

- 1** **Perform the fan operation for a half day.**
Dry the inside of the unit.
- 2** **Stop the unit and turn off the power switch.**
The unit uses appr. 2W even when the power switch has been turned off during the off-season for safety or for saving energy.
- 3** **Clean and reinstall the air filters.**
- 4** **Clean both the indoor and outdoor units.**
- 5** **Remove batteries from the remote control.**

At the beginning of the season

- 1** **Make certain that there are no obstacles blocking the air flow around the air intake and outlet openings of the indoor and outdoor units.**
- 2** **Check the installation base for corrosion or rust.**
- 3** **Ensure that nothing has snapped and that the earthed flex is not disconnected.**
- 4** **Ensure that the air filters are clean.**
- 5** **Turn on the power switch.**
- 6** **Insert batteries in the remote control.**

Installing, inspecting, and replacing the natural enzyme filter and the photocatalytic washable deodorizing filter

1. Open the air inlet panel and remove the air filters.
2. Remove the filter holders, with the natural enzyme filter and the photocatalytic washable deodorizing filter installed in the folders, from the air-conditioner.
3. Remove the natural enzyme filter from filter holder and inspect the filter. Use a vacuum cleaner to remove any dust or dirt from the natural enzyme filter. Replace the natural enzyme filter if it cannot be cleaned or if it has been for about 1 year.
(The natural enzyme filter should be replaced after about 1 year of use. However, the actual replacement period may vary depending on the conditions in which the filter is used.)

Remove the photocatalytic washable deodorizing filter from the filter holder and inspect the filter. Periodically, remove any dust or dirt from the photocatalytic washable deodorizing filter. If the photocatalytic washable deodorizing filter is particularly dirt, it may be washed with water. However, the filter is fragile so be sure to wash it installed in the filter holder to avoid damaging it. After washing the filter, place it in sunlight to dry. Placing the filter in sunlight revitalizes the deodorizing effect.

(Do not dispose of the filter holders. They are reused.)

4. Install the natural enzyme filter and the photocatalytic washable deodorizing filter in the filter holders, and then install the filter holders in the air-conditioner.

NOTE

The natural enzyme filter and the photocatalytic washable deodorizing filter may be installed on either the right or left side of the air-conditioner.

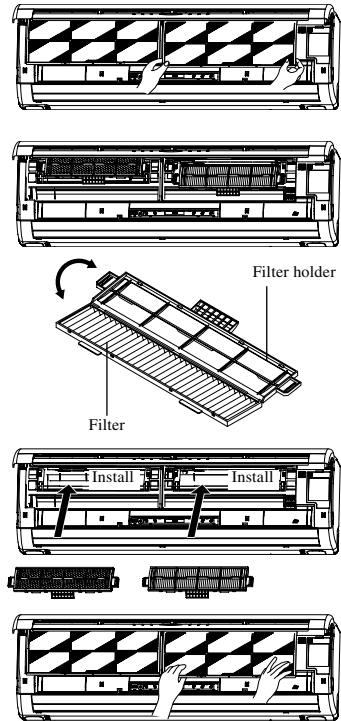
5. Install the air filters and closed the air inlet panel.

CAUTION

Do not expose natural enzyme filters to direct sunlight for an extended period. The bacteriolytic effect will be lost.

For replacement natural enzyme filters and photocatalytic washable deodorizing filters, contact your dealer.

Item	Feature	Color
Natural enzyme filter	By using the work of oxygen, mold and bacteria on the filter are destroyed and the room air is kept clean.	Green
Photocatalytic washable deodorizing filter	Sources of odors on the filter are broken up, resulting in a deodorizing effect.	Orange



Has the unit been installed correctly?

Suitable installation position

- Is there any obstruction in front of the indoor unit, preventing proper ventilation and functioning?
- Don't install the unit in any of the following places:
 - Where there is a danger of leaking inflammable gases.
 - Where there is substantial splashing of oil.
- Malfunctioning due to corrosion may occur if the unit is installed in a spa where sulfide gases are generated, or in a seaside resort exposed to sea breezes. Contact your dealer.
- The air-conditioner and remote control must be at least 1 metre away from a TV set or radio.
- Drain the dehumidified liquid from the indoor unit into a spot that drains well.

Pay attention to operating noises!

- When you install the unit, take care to choose a place that can comfortably stand the weight of the unit and does not increase the operating noise or vibration. If there is any likelihood that vibration may be transmitted through the house, fix the unit with the aid of vibration-proof pads between the unit and the fittings.
- Select a place where cold or hot air and operation noises from the indoor and outdoor units do not cause any inconvenience to your neighbours.
- Do not leave any obstacles near the outlet and inlet of the outdoor unit. This may cause malfunctioning and increased operating noise.
- If you hear an irregular noise during operation, contact your dealer.

Inspection and maintenance

Dependent upon service conditions and operating environment, the inside of the air-conditioner may become dirty after a number of seasons' service (3 to 5 years). This will reduce performance. In addition to normal cleaning, we would recommend inspection and maintenance. (The air-conditioner has a longer life without any trouble.)

- Contact your dealer, or any distributor, for inspection and maintenance. (There will be a charge for this service).
- We would recommend inspection and maintenance to be carried out during the off-season.
- If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

Troubleshooting

Please carry out the following checks before making a service call.

The air-conditioner does not work at all.

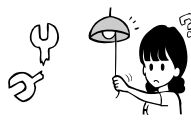
Has the power switch been turned off?



Has the timer been set in the "ON" position?



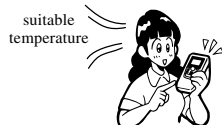
Is there a power failure or a blown fuse?



If the air-conditioner does not operate properly after you have checked the left points, or if any doubt still exists after you have consulted page 20, or if things happen as shown on page 21, switch off the power and contact your dealer.

Poor cooling

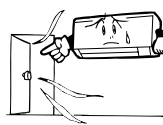
Have you set the thermostat at a suitable temperature?



Is the air filter clean? (Not clogged?)



Did you leave any doors or windows open?



Is the outdoor heat exchanger clean? (Not clogged?)

Is there any direct sunlight entering the room?



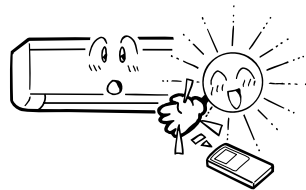
Is there a heat source in the room?



Are there too many people in the room?



Please remember!

You cannot restart the unit immediately after you have stopped it. (RUN light is on) Not operating? 	Restarting has been blocked for 3 minutes after you have stopped or after switching off the power during operation, to protect the unit. Please wait for three minutes.  The three-minute protection timer in the microcomputer automatically starts up again.
Air is not blown out when starting the DRY operation. (RUN light is on)	The indoor fan may stop to prevent re-evaporation of dehumidified moisture and to save energy.
Some steam escapes during COOL operation.	This may occur if the room's temperature and humidity are very high. It disappears as soon as the temperature and humidity decrease.
There is a slight smell.	Air blown out during operation may smell. This is caused by tobacco or cosmetics sticking to the unit.
You hear a slight gurgling sound. 	This is caused by refrigerating liquid moving within the unit.
You hear a slight cracking sound.	This is caused by heat expansion or contraction.
You hear a hissing or clicking sound.	This is caused by the operation of the refrigerant control valves or electric components.
After a power cut, you cannot re-start, even if power has been restored, unless you have the power blackout auto restart function.	The memory circuit of the microcomputer has been wiped out. Use the remote control to start the operation again.
Remote control signals are not received.	Remote control signals may not be received if the signal receiver on the air-conditioner is exposed to direct sunlight or other bright light. If so, cut out the sunlight or reduce the other light. 
Moisture may form on the air outlet grilles.	If the unit is operated for a long time in high humidity, moisture may form on the air outlet grilles and start dripping.

When to contact your distributor without delay

■ Turn off the power switch immediately and inform your dealer in any of the following situations:

The fuse or switch blows continuously.



The cable becomes extremely hot.
The covering of the cable is cracked.

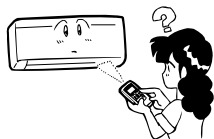
⚠ CAUTION

If the power cord becomes damaged, ask your dealer or a qualified engineer to install the replacement to avoid accidents.

The TV, radio or other equipment starts to malfunction.



A switch does not activate properly.



You hear a strange noise during operation.



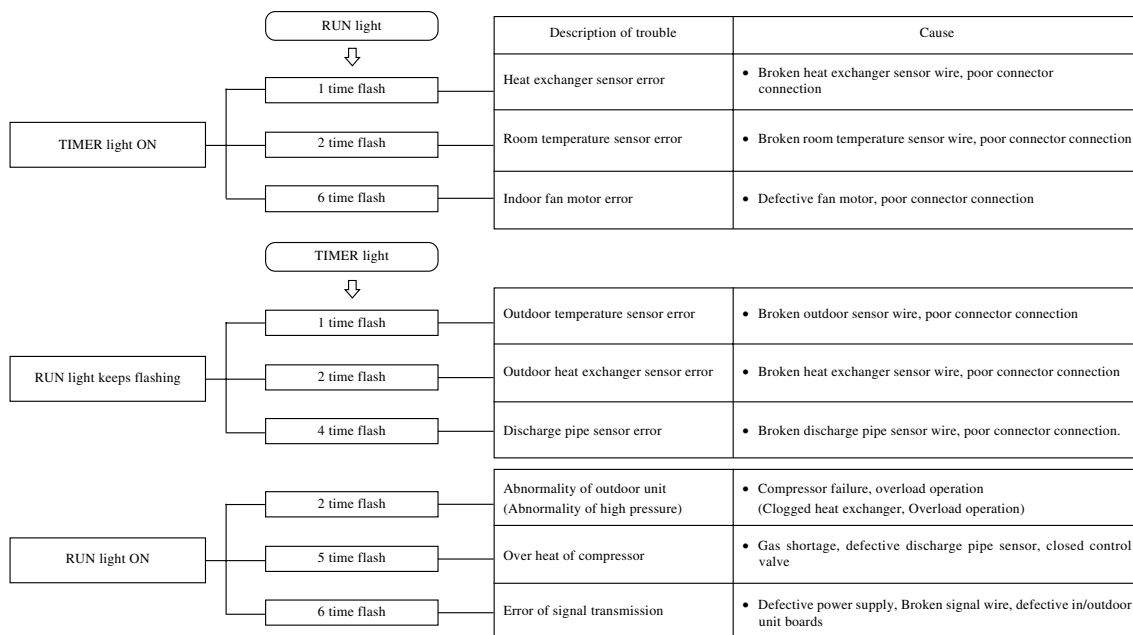
When faulty movement is observed when the ON/OFF button is pressed, even after turning off the power switch and restarting the operation after 3 minutes, the faulty movement does not disappear.



The RUN and TIMER lights on the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don't work.

Self diagnosis function

■ We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows:



Specifications

Model name			SRK52CF-BN(Indoor unit) SRC52CF-BN(Outdoor unit)		SRK71CF-BN(Indoor unit) SRC71CF-BN(Outdoor unit)	
Item						
Type			Split type room air-conditioner			
Power supply			1 Phase 220-240V 50Hz			
Performance		V	220	240	220	240
ISO-T1(JIS)	Cooling capacity	kW	5.4	5.4	7.03	7.03
	Cooling power input	kW	1.76	1.91	2.12	2.27
	Energy efficiency ratio	Btu/hW	10.47	9.66	11.33	10.58
	Rating current	A	8.8	8.7	10.6	10.4
ISO-T3(SASO)	Cooling capacity	kW	5.0	5.0	6.3	6.3
	Cooling power input	kW	2.06	2.20	2.48	2.60
	Energy efficiency ratio	Btu/hW	8.29	7.75	8.67	8.26
	Rating current	A	10.3	10.1	12.4	11.9
Unit dimension		Indoor unit	mm	318 × 1098 × 248		
		Outdoor unit	mm	640 × 850 × 290		750 × 880 × 340
New wight		Indoor unit	Kg	15		
		Outdoor unit	Kg	46		67
Refrigerant		Kg	R22 1.25		R22 1.75	
Country of origin			Thailand			

Model name			SRK52CF-BP(Indoor unit) SRC52CF-BP(Outdoor unit)		SRK71CF-BP(Indoor unit) SRC71CF-BP(Outdoor unit)	
Item						
Type			Split type room air-conditioner			
Power supply			1 Phase 220V 60Hz			
Performance			V	220	220	
ISO-T1(JIS)	Cooling capacity		kW	5.4	7.03	
	Cooling power input		kW	1.76	2.12	
	Energy efficiency ratio		Btu/hW	10.47	11.33	
	Rating current		A	8.8	10.6	
ISO-T3(SASO)	Cooling capacity		kW	5.0	6.3	
	Cooling power input		kW	2.06	2.48	
	Energy efficiency ratio		Btu/hW	8.29	8.67	
	Rating current		A	10.3	12.4	
Unit dimension		Indoor unit	mm	318 × 1098 × 248		
		Outdoor unit	mm	640 × 850 × 290		750 × 880 × 340
New wight		Indoor unit	Kg	15		
		Outdoor unit	Kg	46		67
Refrigerant			Kg	R22 1.25		R22 1.75
Country of origin				Thailand		

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
	29°C	19°C	46°C	24°C	ISO-T3, SASO 385/386

The piping length is 7.5m.

(2) The operation data are applied to the 220/240V districts respectively.

(3) The refrigerant quantity to be charged includes the refrigerant in 7m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, when it is 7 to 25m add 25g refrigerant per meter.



MITSUBISHI HEAVY INDUSTRIES, LTD.

AIR-CONDITIONING & REFRIGERATION SYSTEMS HEADQUARTERS

16-5, 2-Chome, Kounan, Minato-ku, Tokyo, 108-8215, Japan

المقرات الرئيسية لأنظمة تكييف الهواء والتبريد

16-5, 2-Chome, Kounan, Minato-ku, Tokyo, 108-8215, Japan